

Cory, Luke M NWK

From: Doug Schneweis [dschnewe@kdheks.gov]
Sent: Thursday, February 13, 2014 11:59 AM
To: Cory, Luke M NWK; Leonard Bristow (LBRISTOW@KDA.STATE.KS.US)
Cc: r.williams@kcc.ks.gov; Case Morris (cmorris@kcc.state.ks.us); Chris Neeley (c.neeley@kcc.ks.gov); Dan Wells; Mike Tate; Scott Satterthwaite
Subject: [EXTERNAL] Black Tea Oil LLC Freshwater Pits, Krebs lease, Logan County
Attachments: Black Tea Oil Fresh Water Pit Inspection 2-12-2014.docx

On Wednesday, February 12, Doug Schneweis, KDHE NWDO accompanied Rich William, Case Morris and Chris Neeley, KCC District Office 4, to the Logan County site for Black Tea Oil LLC drilling operations. Reason for the visit was to specifically inspect well site Krebs M2, Intent to Drill form DOC ID 1184186. While at the location, they also inspected fresh water pits, oil well collection line locations, drilling pits, proposed disposal well site, drilled well sites and completed well sites. Gerald Achatz, site supervisor, was contacted at the site and his contact information is below.

KCC Contact information:**Case Morris**

Office - (785)625-0556

c.morris@kcc.ks.gov

Rich Williams

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Cell - (785)623-3502

r.williams@kcc.ks.gov

Chris Neeley

Office - (785)625-0556

Cell - (785)259-0180

c.neeley@kcc.ks.gov

Freshwater Pits Krebs lease

GPS locate = latitude 38.80891, longitude 100.87641

I am sharing this information with you since the programs you administer address activities located in waterways. If you have any questions, feel free to contact me or any of the KCC folks. I will be out of the office until Tuesday, February 18, but I will be available by personal cell phone, 785-623-3692.

Thanks

Doug

Douglas Schneweis

Watershed Field Coordinator

Kansas Department of Health and Environment

2301 East 13th St

Hays, KS 67601

785.625.5663 ext 217 office

785.625.4005 fax

dschnewe@kdheks.gov

www.kdheks.gov <<http://www.kdheks.gov/>>

www.kdheks.gov/befs/dist/offices/nw.htm

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- *Independent Consulting*
- *Wellsite Supervision*
- *Completions/Workovers*

ACHATZ CONSULTING

Services

Gerald Achatz, Owner
5208 Timber Creek
Great Bend, KS 67530

620-282-9086
geraldachatz@gmail.com

Contact Information

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Below are information and pictures for fresh water pits.

Site observations:

Photo #1, looking west

GPS location latitude 38.80854, longitude 100.88637

Standing at the base of the freshwater pit excavation pile, looking west along the north bank of Smoky Hill River channel.



Photo #2, looking west

Appears some of the soil excavated for the freshwater pits has been deposited in the Smoky Hill River channel.



Photo #3, looking west

Soil from the freshwater pits on the north bank of the Smoky Hill River channel.



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KREB B1

From: Doug Schneweis [dschnewe@kdheks.gov]
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Subject: [EXTERNAL] Black Tea Oil LLC Krebs B1 completed well, Logan County
Attachments: Black Tea Oil Krebs B1 Oil Well Inspection 2-12-2014.docx

On Wednesday, February 12, Doug Schneweis, KDHE NWDO accompanied Rich William, Case Morris and Chris Neeley, KCC District Office 4, to the Logan County site for Black Tea Oil LLC drilling operations. Reason for the visit was to specifically inspect well site Krebs M2, Intent to Drill form DOC ID 1184186. While at the location, they also inspected fresh water pits, oil well collection line locations, drilling pits, proposed disposal well site, drilled well sites and completed well sites. Gerald Achatz, site supervisor, was contacted at the site and his contact information is below.

Krebs B1 well location

GPS locate = latitude 38.80685, longitude 100.89042

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Below are information and pictures for Krebs B1 completed well site.

Site observations:

Photo #1, looking west

GPS location latitude 38.80685, longitude 100.89042

Standing at the southwest corner of base for the oil well pad, looking west along the north bank of Smoky Hill River channel. Krebs P1 well in background.



Photo #2, looking east

Concrete blocks have been placed along the south side of the well pad. It appears some of the pad may be in the Smoky Hill River channel.



Photo #3, looking north

Krebs B1 well pumping unit, elevated, along the north bank of the Smoky Hill River channel.



Photo #4, looking northeast

Looking downstream from Krebs B1 well pumping unit along the north bank of the Smoky Hill River channel.



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Subject: [EXTERNAL] Black Tea Oil LLC Oil Lead Lines, Krebs lease, Logan County
Attachments: Black Tea Oil Lead Lines inspection 2-12-2014.docx

Yesterday I accompanied Rich William, Case Morris and Chris Neeley, KCC District Office 4, to the Logan County site for Black Tea Oil LLC drilling operations. We visited the site to specifically inspect well site Krebs M2, Intent to Drill form DOC ID 1184186. While at the location, we also inspected fresh water pits, oil well collection line locations, drilling pits, proposed disposal well site, drilled well sites and completed well sites. Attached is a site inspection document with pictures regarding trenching of oil lead lines.

We visited with Gerald Achatz, site supervisor, his contact information is below.

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Below are information and pictures for oil well lines carrying oil from the production well to the tank battery.

Site observations:

Photo #1, looking west

GPS location latitude 38.80891, longitude 100.87641

Excavation for a line from production wells trenched parallel along the north bank of Smoky Hill River channel.



Photo #2, looking east

View of the line shown in picture #1 above paralleling the north bank of Smoky Hill River channel.



Photo #3, looking north

Trenching for a line from a production well on the south side of the Smoky Hill River channel crossing the channel to the tank battery located north of the channel.



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Subject: [EXTERNAL] Black Tea Oil LLC Krebs P1 well pad, Logan County
Attachments: Black Tea Oil Krebs P1 Oil Well Inspection 2-12-2014.docx

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Krebs P1 well location

GPS locate = latitude 38.80584, longitude 100.89619

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Below are information and pictures for Krebs P1 completed well site.

Site observations:

Photo #1, looking west

GPS location latitude 38.80584, longitude 100.89619

Standing at the northwest corner of base for the oil well pad, looking west along the south bank of Smoky Hill River channel.





Photo #2, looking east
It appears some of the pad may be in the Smoky Hill River channel along the south channel bank.

Cory, Luke M NWK

M-2

From: Doug Schneeweis [dschnewe@kdheks.gov]
Sent: Thursday, February 13, 2014 11:56 AM
To: Cory, Luke M NWK; Leonard Bristow (LBRISTOW@KDA.STATE.KS.US)
Cc: r.williams@kcc.ks.gov; Case Morris (cmorris@kcc.state.ks.us); Chris Neeley (c.neeley@kcc.ks.gov); Dan Wells; Mike Tate; Scott Satterthwaite; Tony Stahl
Subject: [EXTERNAL] Black Tea Oil LLC - Krebs M2 oil well location, Logan County
Attachments: Industrial Pipelines South Central WW S34-T14S-R32W.pdf; Black Tea Oil LLC Krebs M2 KCC Intent to Drill.pdf; Private Water Wells.pdf; Black Tea Oil Krebs M2 inspection 2-12-2014.docx

Yesterday I accompanied Rich William, Case Morris and Chris Neeley, KCC District Office 4, to the Logan County site for Black Tea Oil LLC drilling operations. We visited the site to specifically inspect well site Krebs M2, Intent to Drill form DOC ID 1184186. While at the location, we also inspected fresh water pits, oil well collection line locations, drilling pits, proposed disposal well site, drilled well sites and completed well sites. Attached are a site investigation document with pictures, KCC Intent to Drill form specific to the Krebs M2 site, map of nearby water wells and KGS well completion WWC-5 form for a nearby water well. Information associated with other site observations will be included in separate emails.

We visited with Gerald Achatz, site supervisor, his contact information is below.

Krebs M2 well location

E2 SW SW SE section 27, township 14S, range 32W, Logan County

GPS locate = latitude 38.80165, longitude 100.86189

KCC Contact information:

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Water Well
Database
Query

Specific Water Well Detail

Well T14S, R32W, Sec. 34, SW NE NE, Action: Constructed

Location Info	
County: Logan	Location: T14S, R32W, Sec. 34, SW NE NE
Owner: Industrial Pipelines South Central, Inc.	Status: Constructed
Directions: from Oakley: 14.06 mi S on Hwy 83	
Longitude: -100.8579602	Latitude: 38.797872
Longitude and latitude calculated by Survey from township-range-section-quarter calls. Only good to within the quarter call accuracy.	
View well on interactive map This link will create a new window and display an interactive map of this well and its neighbors.	
General Info	
Well Depth: 58 ft.	Elevation: ft.
Static Water Level: 4.5 ft.	Est. Yield: gpm.
Well Use: Industrial	
DWR Applic. #: 959013	Other ID:
Driller Info	
Driller: Woofert Pump & Well, Inc.	License #: 554
Comp. Date: 14-Mar-1995	
Scanned Form	
View scan of this form in PDF format.	
You will need the Acrobat PDF Reader , available free from Adobe, to read this file.	
Chemical Sample Submitted?: No	
Casing Info	
Casing Type: PVC	
Diam: 8 in. to 16 ft.	
Diam: 0 in. to 0 ft.	
Diam: 0 in. to 0 ft.	
Grout Info	
Grout used: BENTONITE	
From: 0 to 5 ft.	

From: 0 to 0 ft.	
From: 0 to 0 ft.	
Source of Possible Contamination	
Source: OTHER	
Direction from well:	Distance: 0
Screen and Perforation Info	
Screen Type: TORCH CUT	Screen Openings: SAW CUT
From: 8 ft. to 58 ft.	From: 0 ft. to 0 ft.
From: 0 ft. to 0 ft.	From: 0 ft. to 0 ft.
Lithologic Log (Log data entered by KGS.)	
From: 0 ft. to 3 ft.	Surface
From: 3 ft. to 23 ft.	Fine and medium sand, loose gravel
From: 23 ft. to 38 ft.	Blue mud with sand
From: 38 ft. to 55 ft.	Fine to medium sand and gravel with a few clay streaks
From: 55 ft. to 58 ft.	Weathered shale

Kansas Geological Survey

Comments to webadmin@kgs.ku.edu

URL=<http://www.kgs.ku.edu/Magellan/WaterWell/index.html>

Display Programs Updated July 29, 2004

Data added continuously.

[Home](#) [KCC Forms](#) [Settings](#) [Tools](#) [Help](#)
KOLAR

Group 62 Clear Menu KCC

[Logout](#)**Pit Inspection**Drilling [Back to District 4](#)

Form: C1CDP1 Intent to Drill

Operator: Black Tea Oil, LLC

Well Name: Krebs M 2

API Number: 15-109-21229-00-00

Submitter: Christopher Leiker

Doc ID: 1184186

KCC Internal Remarks

Christopher Leiker "" attachment added.

01/24/014 at 04:40 pm

Rick Hestermann

01/27/014

Depth to Bottom of Usable Water was changed from "1120" to "1020"

08:11 am

Drilling**District Office Recommendations**

Normal Procedure: No pit requirement.

Pit should be lined with Bentonite or native clay and fluids removed after salt section and completion.

Pit should be lined with Bentonite or native clay and fluids removed at completion.

Pit should be lined with mill liner and fluids removed after salt section and completion.

No liner needed, remove fluids after salt section and completion.

No liner needed, remove fluids at completion.

No liner needed, haul fluids after first displacement below salt section, and within hours of completion.

No liner needed, haul fluids within hours of completion.

KEEP PITS away from draw/drainage.

KEEP PITS on side of stake.

Steel Pits. NO EARTHEN PITS ALLOWED

Other: (Explain):

Inspection Date 02/10/2014

Field Agent

Remarks to operator:

Remarks to KCC:

[Complete Pit Inspection](#)**Operator**

Name Black Tea Oil, LLC
 Address 1011 Centennial Blvd. Ste B
 Hays KS 67601-
 License 34639
 Contact Chris Leiker
 Phone 785-259-8701
 Email

Submitter Contact Info

Name Christopher Leiker
 Address
 Phone 785-259-8701
 Email chris.leiker1@gmail.com

Pit Details

Pit Type	Drilling
Pit Proposed or Existing	Proposed
Pit Capacity BBLS	1000
In Sensitive Ground Water Area	Yes
Bottom Below Ground Level	Yes
Steel Pit	No
Length x Width x Depth (feet)	70 x 75 x 5

Pit Location

Quarter Calls	E2 SW SW SE
Section	27-14S-32W
Footage	330 FSL, 2015 FEL
County	Logan

Liner

Artificial Liner	No
How Pit Is Lined	Mud

Fresh Water

Depth To Shallowest Fresh Water	5
Measured	
Well Owner	
Source of Information	Electric Log
	<input checked="" type="checkbox"/> KQWR

Nearest Water Well

Submitted Distance	1733
Submitted Depth	56
Calculated Distance	1733
Calculated Depth	56

Drilling Pit

Drilling Material Used	Fresh Water Mud
Number Of Working Pits	3
Used	
Abandonment Procedure	Keep fluid below 2' of grc

[Submit](#)**Attachments**

Plat/Map/Survey View PDF
 OPERATOR [\(Add Attachment\)](#)

WWC5 Records: Five Closest Wells & All Public Water Supplies Within a Mile

Dist *	Dist **	Dist ***	Type	Status	Depth	Water Lvl	Owner	WWC5
1733 ft		1731ft	Industrial	CONSTRUCTED	58 ft	4.5 ft	Industrial Pipelines South Central, Inc.	PDF
2784 ft		2777ft	(unstated)/abandoned	PLUGGED	8 ft		State of Kansas	PDF

* This distance is calculated using geographic tools and a PLSS data layer.

** This distance is calculated using the pythagorean theorem and assuming that the section is exactly 5280 feet square. Also, if the water well is within a mile of the well spot, but is in a neighboring section, then this distance is not calculated.

*** This distance is calculated using UTM coordinates.

KGS Map Viewer - Oil and Gas Wells and Fields

Section 27-14S-32W (Opens in separate window)

Aerial Photo



On Wednesday, February 12, Doug Schneweis, KDHE NWDO accompanied Rich William, Case Morris and Chris Neeley, KCC District Office 4, to the Logan County site for Black Tea Oil LLC drilling operations. Reason for the visit was to specifically inspect well site Krebs M2, Intent to Drill form DOC ID 1184186. While at the location, we also inspected fresh water pits, oil well collection line locations, drilling pits, proposed disposal well site, drilled well sites and completed well sites. Below is information and pictures specific to the Krebs M2 site. Information and pictures associated with other site observations will be included in separate emails.

Gerald Achatz, site supervisor, was contacted at the site and his contact information is below.

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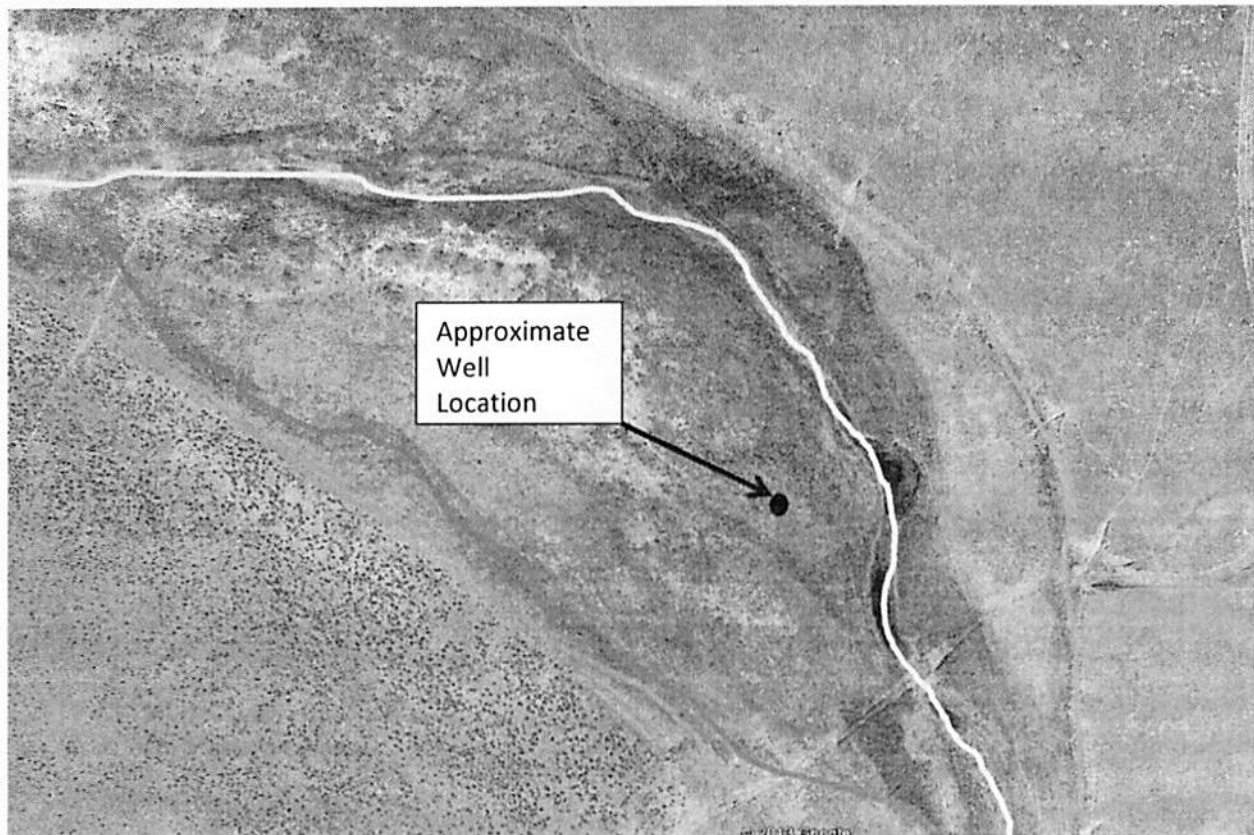
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It appears the Krebs M2 well location is in the Smoky Hill River main channel. GPS location = latitude 38.80165 longitude 100.86189 NADA83. The main channel is approximately 350 ft wide as measured on Google Earth. There appears to be two sub channels (north and south) within the main channel. The north sub channel is adjacent to the proposed well location and appears to receive most surface water flow. Surface water (ice) was observed in the channel, north of the pit. The south sub channel appears to receive less surface water flow and is adjacent the south main bank.



—— = north and south main channel banks

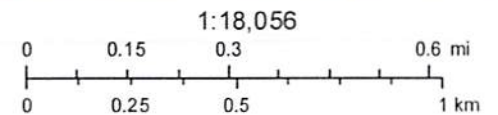
—— = north sub channel

—— = south sub channel

Private Water Wells



February 12, 2014



Sources: Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013

Site observations:

- Photos #1 & #2 – a well site access road has been established to the Krebs M2 location. A culvert has been placed in the north sub channel.

Photo #1





Photo #2



02.12.2014 10:49

• Photo #3 – north river channel main bank directly north of Krebs M2 location.

- Photos #4 through #7 – pictures from the north side of the Krebs M2 location panning across the site. Approximately 1 acre has been leveled.

Photo #4





Photo #5 – oil well location stake is between the pickups

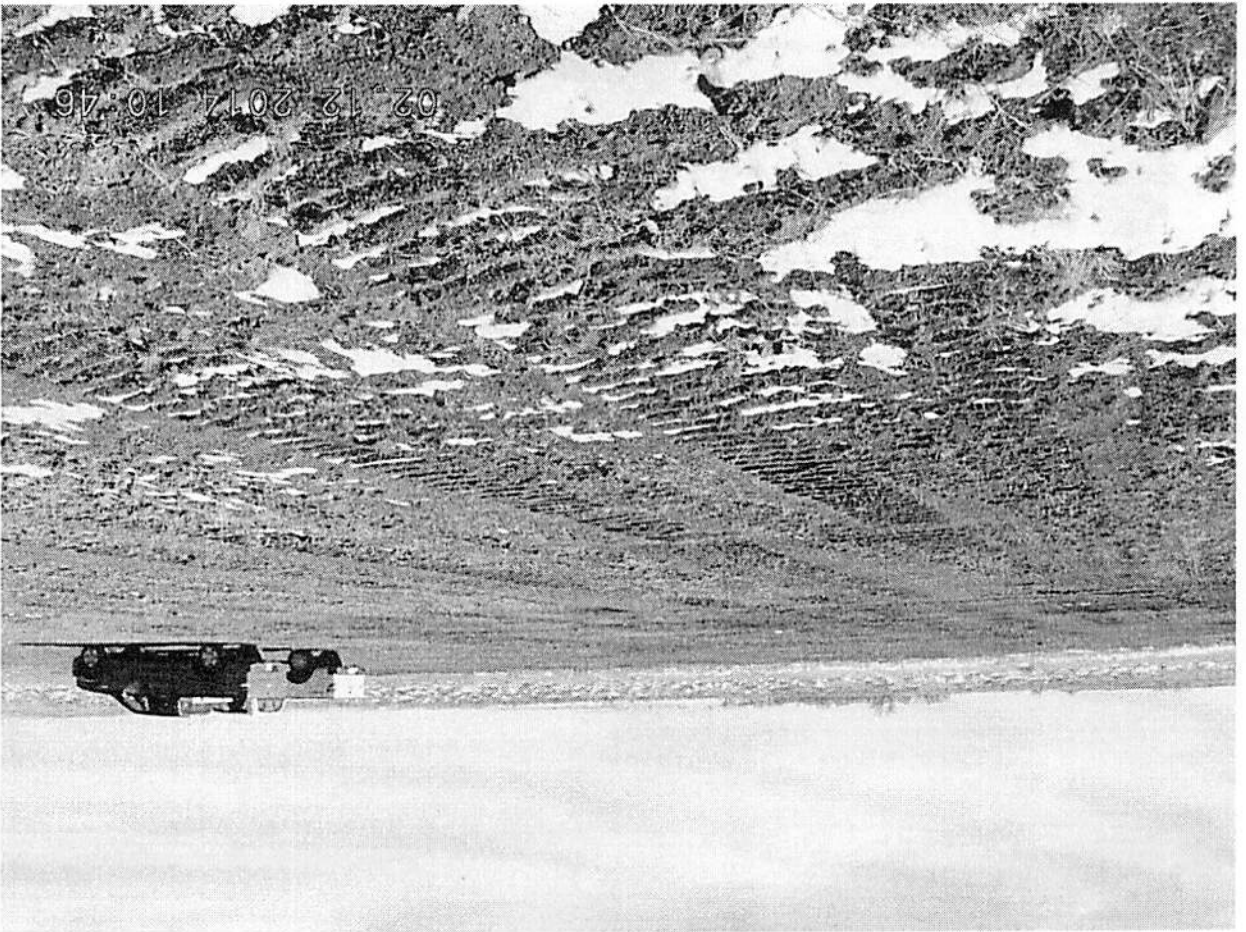


Photo #6

Photo #7



- Photo #8 – earthen drilling pit, north adjacent to well location. Approximately 3 to 4 ft deep with fresh water (ice covered). A search of the KGS water well completion database indicates a well located at latitude 38.797872, longitude 100.8579602 has a static water depth of 4.5 ft.



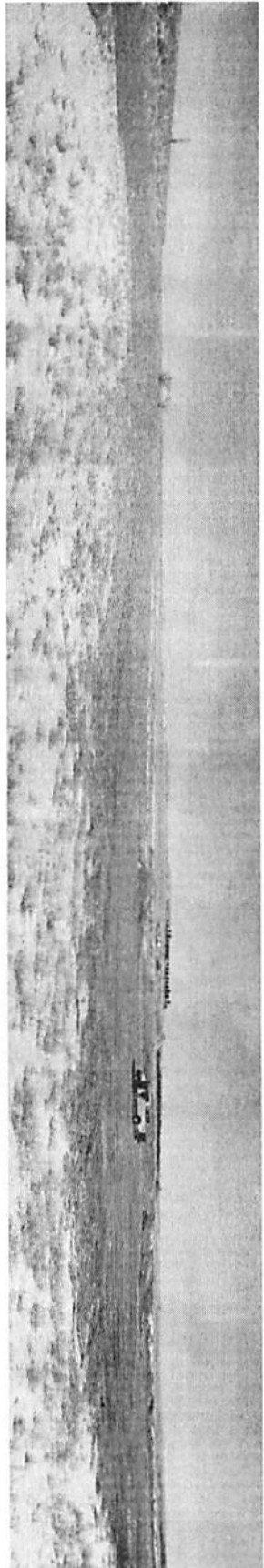


- Photos #9 & #10 – diversion channel excavated upstream, west of the well location.



- Photo #11 – south river channel main bank, directly south of well location. Also shows south sub channel.

- Photo #12 – panoramic view of well location from south river bank looking north.



- Photo #13 – view looking east of well location along the north sub channel. Highway US 83 bridge in background.

